PTO/SB/08A (07-05)
Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
required to respond to a collection of information unless it contains a valid OMB control number.

stitute for form 1449A/PTO

FEB 2 3 2007

Sheet

## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 09/544,808 Filing Date April 7, 2000 First Named Inventor Sezan Art Unit 2623 Examiner Name TBD Attorney Docket Number 7146.0066

		<u></u>	U.S. PATENT D	OCUMENTS	
Examiner Initials	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Releva Passages or Relevant Figures Appear
	1	US- 4,183,056	01-08-1980	Evans et al.	rigures Appeal
		US- 4,253,108	02-24-1981	Engel	/
		US- 4,298,884	11-03-1981	Reneau	
		US- 4,321,635	03-23-1982	Tsuyuguchi	/
		US- 4,324,402	04-13-1982	Klose	
		QS- 4,520,404	05-28-1985	Von Kohom	/
	1	US 4,729,044	03-01-1988	Klesel	/
	· ·	US- 4,937,685	06-26-1990	Barker et al.	<u> </u>
		US- 5,027,400	06-25-1991	Baji et al.	
···		US- 5,101,864	03-31-1992	Davenport et al	
		US- 5,109,489	04-28-1992	Bohrman	
	1	US- 5,148,154	09-15-1992	MacKay et al.	
		US- 5,200,825	04-06-1993	Perine	
	<del> </del>	US- 5,222,924	06-29-1993	Shin et al.	
<del> </del>	<del> </del>	<del></del>	<del></del>	<del>/</del>	
	<b> </b>	US- 5,241,671	08-31-1993	Reed et al.	
		US- 5,288,069	02-22-1994	Matsumoto	
<del></del>		US- 5,333,091	07-26-1994	Iggulden et al.	
		US- 5,339,393	08-16-1994	Duffy et al.	
<del></del>		US- 5,381,477	01-10-1998	Beyers, II et al.	
		US- 5,404,316	04-04-1995	Klingler et al.	
		US- 5,410,344	04-25-1995	Graves et al.	
		US- 5,424,770	06-13 1995	Schmelzer et al.	
	<b> </b>	US- 5,444,499	08-22-1995	Saitoh	
		US- 5,452,016	09-19-1996	Ohara et al.	
		US- 5,483,278	01-09-1996	Strubbe et al.	
		US- 5,521,841	05-28-1996	Arman et al.	
	<u> </u>	US- 5,550,965	08-27-1996	Gabbe et al.	
		US- 5,600,781	02-04-1997	Root et al.	
1,7	<u> </u>	US- 5,635,982 /	06-03-1997	Zhang et al.	
<u> </u>		US- 5,654,769	08-05-1997	Ohara et al.	
		US- 5,664,227	09-02-1997	Mauldin et al.	
		US- 5,675,752	10-07-1997	Scott et al.	
		US- 5,694,163	12-02-1997	Narrison	
		US/ 5,727,129	03-10-1998	Barrett et al.	
		S- 5,758,257 کار	05-26-1998	Herz ou al.	
		US- 5,758,259	05-26-1998	Lawlet	
		US- 5,764,916	06-09-1998	Busey et at.	
		US- 5,778,108	07-07-1998	Coleman Jr.	
		US- 5,781,188	07-14-1998	Amiot et al.	
		US- 5,805,733	09-08-1998	Wang et al:	
		US- 5,809,426	09-15-1998	Radojeric et al.	
		US- 5,821,945	10-13-1998	Yeo et al.	
		US- 5,828,809	10-27-1998	Chang et al.	
		US- 5,828,839	10-27-1998	Moncreiff	
/		US- 5,867,226	02-02-1999	Wehmeyer et al.	
		US- 5,875,107	02-23-1999	Nagai et al.	7
		US- 5,877,821	03-02-1999	Newlin et al.	-
		US- 5,907,324	05-25-1999	Larson et al.	

2 8

US- 5,913,030	
US- 5,920,300 07-06-1999 Yamazaki et al.  US- 5,920,360 07-06-1999 Coleman Jr.  US- 5,923,365 07-13-1999 Tamir et al.  US- 5,933,811 08-03-1999 Angles et al.  US- 5,945,988 08-31-1999 Williams et al.  US- 5,950,026 09-21-1999 Ratakonda  US- 5,959,681 09-28-1999 Cho  US- 5,959,697 09-28-1999 Coleman Jr.  US- 5,969,755 10-19-1999 Coleman Jr.  US- 5,969,755 10-19-1999 Golin  US- 5,990,980 11-23-1999 Golin  US- 5,995,065 12-21-1999 Ratakonda  US- 6,005,565 12-21-1999 Barref et al.  US- 6,005,565 12-21-1999 Rangan et al.  US- 6,004,183 01-11-2000 Heang  US- 6,020,883 02-01-2000 Kubota  US- 6,049,821 04-11-2000 Theriault et al.  US- 6,055,018 04-25-2000 Swan	
US- 5,923,365   07-13-1999   Tamir et al.     US- 5,930,783   07-27-1999   Li et al.     US- 5,933,811   08-03-1999   Angles et al.     US- 5,945,988   08-31-1999   Williams et al.     US- 5,956,026   09-21-1999   Ratakonda     US- 5,959,681   09-28-1999   Cho     US- 5,959,687   09-28-1999   Coleman Jr.     US- 5,959,755   10-19-1999   Courtney     US- 5,990,980   11-23-1999   Golin     US- 5,995,095   11-30-1999   Ratakonda     US- 6,005,565   12-21-1999   Ratakonda     US- 6,005,565   12-21-1999   Barreyl et al.     US- 6,006,265   12-21-1999   Rangan et al.     US- 6,0014,183   01-11-2000   Hoang     US- 6,020,883   02-01-2000   Kubota     US- 6,041,323   03-21-2000   Swan	
US- 5,930,783   07-27-1999   Li et al.	
US-5,933,811	
US 5,945,988 08-31-1999 Williams et al.  US 5,956,026 09-21-1999 Ratakonda  US 5,959,681 09-28-1999 Cho  US 5,959,697 09-28-1999 Coleman Jr.  US 5,969,755 10-19-1999 Courtney  US 5,990,980 11-23-1999 Golin  US 5,995,095 11-30-1999 Ratakonda  US 6,005,565 12-21-1999 Legall et al.  US 6,005,597 12-21-1999 Rangan et al.  US 6,006,265 12-21-1999 Rangan et al.  US 6,0014,183 01-11-2000 Hoang  US 6,020,883 02-01-2000 Kubota  US 6,041,323 03-21-2000 Swan	
US- \$,956,026	
US- 5,959,681 09-28-1999 Cho US- 5,959,697 09-28-1999 Coleman Jr.  US- 5,969,755 10-19-1999 Courtney  US- 5,990,980 11-23-1999 Golin  US- 5,995,095 11-30-1999 Ratakonda  US- 6,005,565 12-21-1999 Barrey et al.  US- 6,005,597 12-21-1999 Rangan et al.  US- 6,006,265 12-21-1999 Rangan et al.  US- 6,004,183 01-11-2000 Hoang  US- 6,020,883 02-01-2000 Kubota  US- 6,041,323 03-21-2000 Theriault et al.  US- 6,049,821 04-11-2000 Swan	
US- 5,95,96,97	
US- 5,969,755 10-19-1999 Courtney US- 5,990,980 11-23-1999 Golin US- 5,995,095 11-30-1999 Ratakonde US- 6,005,565 12-21-1999 Legall of al. US- 6,005,597 12-21-1999 Barrey et al. US- 6,006,265 12-21-1999 Rangan et al. US- 6,014,183 01-11-2000 Hoang US- 6,020,883 02-01-2000 Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 5,990,980 11-23-1999 Golin  US- 5,995,095 11-30-1999 Ratakonde  US- 6,005,566 12-21-1999 Legall of al.  US- 6,005,597 12-21-1999 Barrey et al.  US- 6,006,265 12-21-1999 Rangan et al.  US- 6,014,183 01-11-2000 Hoang  US- 6,020,883 02-01-2000 Herz et al.  US- 6,041,323 03-21-2000 Kubota  US- 6,049,821 04-11-2000 Theriault et al.  US- 6,055,018 04-25-2000 Swan	
US- 5,995,095 11-30-1999 Ratakonde US- 6,005,566 12-21-1999 Legall of al. US- 6,005,597 12-21-1999 Barrejf et al. US- 6,006,265 12-21-1999 Rangan et al. US- 6,014,183 01-11-2000 Hoang US- 6,020,883 02-01-2000 Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,005,565 12-21-1999 Legall et al. US- 6,005,597 12-21-1999 Barrey et al. US- 6,006,265 12-21-1999 Rangan et al. US- 6,014,183 01-11-2000 Hoang US- 6,020,883 02-01-2000 Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,005,565 12-21-1999 Legall et al. US- 6,005,597 12-21-1999 Barrey et al. US- 6,006,265 12-21-1999 Rangan et al. US- 6,014,183 01-11-2000 /Hoang US- 6,020,883 02-01-2000 /Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,005,597   12-21-1999   Barrey et al.     US- 6,006,265   12-21-1999   Rangan et al.     US- 6,014,183   01-11-2000   Hoang     US- 6,020,883   02-01-2000   Herz et al.     US- 6,041,323   03-21-2000   Kubota     US- 6,049,821   04-11-2000   Theriault et al.     US- 6,055,018   04-25-2000   Swan	
US- 6,014,183	
US- 6,020,883 02-01-2000 Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,020,883 02-01-2000 Herz et al. US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,041,323 03-21-2000 Kubota US- 6,049,821 04-11-2000 Theriault et al. US- 6,055,018 04-25-2000 Swan	
US- 6,049,821	
US- 6,055,018 04-25-2000 Swan	
US- 6,064,385	
US- 6,070,167	
US- 6,076,166 06-13-2000 Moshfeghi et al.	
US- 6,078,917 06-20-2000/ Paulsen Jr. et al.	•
US- 6,078,928 06-20-2090 Schnase et al.	
US- 6,088,722 07-11-2000 Herz et al.	
US- 6,100,941 08-08-2000 Dimitrova et al.	
US- 6,122,657	
US- 6,128,624 19-03-2000 Papiemiak et al.	
US- 6,133,909 /10,17-2000 Schein et al. US- 6,137,486 / 10-24-2000 Yoshida et al.	
US- 6,144,375 / 11-07-2000 Jain et al. US- 6,161,142 / 12-12-2000 Wolfe et al.	<del> </del>
US- 6,177,931 / 01-23-2001 \ Alexander et al.	
US- 6,185,625 / 02-06-2001 \ Tso et al.	<del></del>
US- 6,195,497 / 02-27-2001 Nagasaka et al.	
US- 6,198,767 / 03-06-2001	
US- 6.199,076	
US- 6,212,527 04-03-2001 Gustman	
US- 6,216,129 04-10-2001 Eldering	
US- 6,219/837 04-17-2001 Yeo et al.	
US- 6,226,678	<del></del>
US- 6,230,172	
US- 9/233,289 05-15-2001 Fredrickson	
US/6,233,586 05-15-2001 Chang et al.	
U.S. 6,236,395 05-22-2001 Sezah et al.	
/0S- 6,240,406 05-29-2001 Tanhen	
/ US- 6,252,444 06-26-2001 Hoffbeig	
/ US- 6,275,268	·
/ US- 6,286,140	
US- 6,286,141 09-04-2001 Browne et al. \	
US- 6,304,665 10-16-2001 Cavallaro et al.	
US- 6,311,189 10-30-2001 DeVries et al.	
US- 6,317,718 11-13-2001 Fano	
US- 6,317,881 11-13-2001 Shah-Nazaroff et al.	
US- 6,320,624 11-20-2001 Ayer et al.  US- 6,339,842 01-15-2002 Fernandez et al.	
Vasuotali di al.	
US- 6,363,160 03-26-2002 Bradski et al.	

3 of 8 FEB 23 20

3)		U		
200	US- 6,370,504	04-09-2002	Zick et al.	
R/	,\ US- 6,405,371	06-11-2002	Oosterhout et al.	
3/	US- 6,412,008	06-25-2002	Fields et al.	
	ŲS- 6,418,168	07-09-2002	Narita	
	U\$- 6,421,680	07-16-2002	Kumhyr et al.	
	US-\6,425,133	07-23-2002	Leary	
	US- 6\426,761	07-30-2002	Kanevsky et al.	
	US- 6,426,974	07-30-2002	Takahashi et al.	/
	US- 6,438,579	08-20-2002	Hosken	/
	US- 6,439,672	08-27-2002	Bowen	Y
	US- 6,446,261	09-03-2002	Rosser	
	US- 6,487,39a	11-26-2002	Virine et al.	
	US- 6,498,783	12-24-2002	Lin /	
	US- 6,522,342 \	02-18-2003	Gagnon et al.	
	US- 6,530,082	03-04-2003	Del Sesto et al.	
	US- 6,535,639	03-18-2003	Uchihachi/et al.	
	US- 6,543,053	04-01-2003	Li și al.	
	US- 6,546,555	04-08-2003	Hjelsvold et al.	
	US- 6,549,643	04-15-2003	Joklu et al.	
	US- 6,556,767	04-29-2003	okayama et al.	
	US- 6,571,279	05-27-2003	Herz et al.	
	US- 6,578,075	06-10-2003	Nieminen et al.	
	US- 6,581,207	06-17-2003	Sumita et al.	
	US- 6,587,127	07-01-2003	Leeke et al.	
	US- 6,593,936	07-15-2003	Huang et al.	
	US- 6,594,699	07-15-2003	Sahai et al.	
	US- 6,597,859	07\22-2008	Leinhart et al.	
	US- 6,611,876	08-26-2003	Barrett et al.	
	US- 6,614,987	09-02/2003	Ismail et al.	
	US- 6,658,095	12-02-2003	Yoakum et al.	
	US- 6,665,423	12-16-2003	Mehrotra et al.	
	US- 6,678,635	01-13-2004	Tovinkere et al.	
	US- 6,678,659	01-13-2004	Van Kommer	
	US- 6,681,395	01-20-2004	Nishi	
	US- 6,691,126 /	02-10-2004	Syeda-Mahmood	
	US- 6,697,523	02-24-2004	Divakaran et al.	
	US- 6,704,929	03-09-2004	Ozer et al.	
	US- 6,724,933	04-20-2004	Lin et al.	
	US- 6,754,904	06-22-2004	Cooper et al.	
	US- 6,754,906	06-22-2004	Finseth et al.	
	US- 6,766,362 /	07-20-2004	Miyasaka et al.	
	US- 6,774,917	08-10-2004	Foote et al.	
	US- 6,820,2/8	11-16-2004	Ellis	
	US- 6,829/781	12-07-2004	Bhagavath et al.	
	US- 6,868,440	03-15-2005	Gupta et al.	
	US- 6,880,171	04-12-2005	Ahmad et al.	
	US-6,925,455	08-02-2005	Gong et al.	
	·			
	US-6,925,455	08-02-2005	Gong et al.	
	US-6,925,455 US-6,931,595	08-02-2005 08-16-2005	Gong et al. Pan et al	
	US-6,925,455 US-6,931,595 VS-6,970,510	08-02-2005 08-16-2005 11-29-2005	Gong et al. Pan et al Wee et al.	
	US-6,925,455 US-6,931,595 VS-6,970,510 US-6,981,129	08-02-2005 08-16-2005 11-29-2005 12-27-2005	Gong et al. Pan et al. Wee et al. Boggs et al.	
	US-6,925,455 US-6,931,595 VS-6,970,510 US-6,981,129 US-6,993,245	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008	Gong et al. Pan et al. Wee et al. Boggs et al. Harville	
	US-6,925,455 US-6,931,595 VS-6,970,510 US-6,981,129 US-6,993,245 US-2001/0030664	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2006 10-18-2001	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al.	
	US- 6.925,455 US- 6.931,595 VS- 6.970,510 US- 6.981,129 US- 6.993,245 US- 2001/0030664 US- 2002/0013943	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008 10-18-2001 01-31-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al.	
	US- 6.925,455 US- 6.931,595 US- 6.970,510 US- 6.981,129 US- 6.993,245 US- 2001/0030664 US- 2002/0013943 US- 2002/0018594 US- 2002/0026345 US- 2002/0079165	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008 10-18-2001 01-31-2002 02-14-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al.	
	US-6.925,455 US-6.931,595 US-6.970,510 US-6.981,129 US-6.993,245 US-2001/0030664 US-2002/0013943 US-2002/0018594 US-2002/0026345	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008 10-18-2001 01-31-2002 02-14-2002 02-28-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels	
	US- 6.925,455 US- 6.931,595 US- 6.970,510 US- 6.981,129 US- 6.993,245 US- 2001/0030664 US- 2002/0013943 US- 2002/0018594 US- 2002/0026345 US- 2002/0079165	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe	
	US- 6.925,455  US- 6.931,595  VS- 6.970,510  US- 6.981,129  US- 6.993,245  US- 2001/0030664  US- 2002/0013943  US- 2002/0018594  US- 2002/0026345  US- 2002/0079165  US- 2002/0080162	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2008 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe Pan et al.	
	US- 6.925,455  US- 6.931,595  VS- 6.970,510  /US- 6.981,129  / US- 6.993,245  / US- 2001/0030664  US- 2002/0013943  US- 2002/0018594  US- 2002/0026345  US- 2002/0079165  US- 2002/0080162  US- 2002/0083473  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0120929	08-02-2005 08-16-2005 11-29-2005 12-27-2005 01-31-2006 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002 06-27-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe Pan et al. Agnihotri et al.	
	US- 6.925,455  US- 6.931,595  VS- 6.970,510  US- 6.981,129  US- 6.993,245  US- 2001/0030664  US- 2002/0013943  US- 2002/0018594  US- 2002/0026345  US- 2002/0079165  US- 2002/0083473  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0120929  US- 2002/0141619	08-02-2005 08-16-2005 11-29-2005 11-29-2005 12-27-2005 01-31-2006 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002 06-27-2002 07-25-2002 08-29-2002 10-03-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe Pan et al. Agnihotri et al. Hulme	
	US-6,925,455  US-6,931,595  VS-6,970,510  US-6,981,129  US-6,993,245  US-2001/0030664  US-2002/0013943  US-2002/0018594  US-2002/0026345  US-2002/0079165  US-2002/0080162  US-2002/0087165  US-2002/0097165  US-2002/0097165  US-2002/0097165  US-2002/0097165  US-2002/0120929  US-2002/0141619  US-2002/0156909	08-02-2005 08-16-2005 11-29-2005 11-29-2005 12-27-2005 01-31-2006 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002 06-27-2002 06-27-2002 07-25-2002 08-29-2002 10-03-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe Pan et el. Agnihotri et al. Hulme Schwalb et al. Harrington	
	US- 6.925,455  US- 6.931,595  VS- 6.970,510  US- 6.981,129  US- 6.993,245  US- 2001/0030664  US- 2002/0013943  US- 2002/0018594  US- 2002/0026345  US- 2002/0079165  US- 2002/0083473  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0097165  US- 2002/0120929  US- 2002/0141619	08-02-2005 08-16-2005 11-29-2005 11-29-2005 12-27-2005 01-31-2006 10-18-2001 01-31-2002 02-14-2002 02-28-2002 06-27-2002 06-27-2002 07-25-2002 08-29-2002 10-03-2002	Gong et al. Pan et al. Wee et al. Boggs et al. Harville Shulman et al. Haberman et al. Xu et al. Juels Wolfe Pan et al. Agnihotri et al. Hulme Schwalb et al. Standridge et al.	

4 of 8

<i></i>			•	
	US- 2002/0190991	12-19-2002	Efran et al.	
	US\2002/0194589	12-19-2002	Cristofalo et al.	
	US- 2903/0001880	01-02-2003	Holtz et al.	1
	US- 2003/0007555	01-09-2003	Divakaran et al.	
	US- 2003/0026592	02-08-2003	Kawahara et al.	
	US- 2003/0072440	04-17-2003	Murray et al.	
	US- 2003/0081937	05-01-2003	u /	
	US- 2003/0105682	06-05-2003	Dicker et al.	
	US- 2003/0182663	09-25-2003	Gudorf et al.	
	US- 2003/0187650	10-02-2003	Moore et al.	
	US- 2003/0229900	12-11-2003	Reisman	
	US- 2004/0003041	01-01-2004	Moore et al.	
	US- 2004/0015569	01-22-2004	Lonnfors et al.	
	US- 2004/0017389	01-29-2004	Pan et al.	
	US- 2004/0030750	02-12-2004	Moore et al.	
	US- 2004/0032486	02-19-2004	Shusman	
	US- 2004/0088289	05-06-2004	Xu et al.	
	US- 2004/0098754	05-20-2004	Vella et al.	
	US- 2004/0125124	07-01-2004	Kim et al.	
	US- 2004/0125874	07-01-2004	Chang et al.	
	US- 2004/018/1088	10-07-2004	Ferman et al.	
	US- 200/1/0227768	11-18-2004	Bates et al.	
	US-2004/0231003	11-18-2004	Cooper et al.	
	US- 2005/0102202	05-12-2005	Linden et al.	
				<del>                                     </del>
		• · · · · · · · · · · · · · · · · · · ·	·	J

	_	FOREIGN P	ATENT DOCUME	ENTS		
		Foreign Patent Document Publication	Name of Patentee or	Pages, Columns, Lines,	_	
Examiner Initials*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-	Applicant of Cited  Document	Where Relevant Passages or Relevant Figures Appear	T <sup>©</sup>
		EP 1250807	10-23-2002	Kirşli et al.		
		JP 09322154	12-12-1997	Takeo		
		JP 08785957	05-17-1996	Hayashi et al.		
		JP 2001-036861	02-09-2001	Yamaguchi	· ·	
		JP 2002-503896	02-05-2002		drawings	
		WO 94/14284	06-23-1994	Hendricks et al.		
		WO 99/04143	01-28-1999	Schaeffler et al.		
		WO 99/12194	03-11-1999	Shiraishi		
		WO 01/50753	07-12-2001	Sibva et al.		
				7		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
		*User Preference Description for MPEG-7,* ISO/IEC JTC/ISC29/WG11, MPEG 99/MXXXX, Maui, Hawaii, December 1999, Pages 1-18.		
		MICHAEL G. CHRISTEL, ALEXANDER G. MAUPTMANN, ADRIENNE S. WARMACK, SCOTT A. CROSBY, "Adjustable Filmstrips and Skims as Abadactions for a Digital Video Library," Computer Science Department, Camegle Mellon University, Pittsburgs, PA 15213 USA.		
		PENG XU, et al., *Algorithms and System or High-Level Structure Analysis and Event Detection in Soccer Video,* Columbia University, ADVENT — Technical Report #111, June 2001.		

007	5 of 8
	KEITH MILLAR AND DAVID WHITE, "A Schema for TV-Anytime: Segmentation Metadata AN195," NDS Contribution from MyTV, NDS Limited 2000, 27 pages.
	KEITH MILLAR et al., "A Schema for TV-Anytime Segmentation Metadata AN195rl myTV project," NDS Systems Division, NDS Limited 2000, 28 pages.
	S.E. LEVINSON L. R. RABINER, and M. M. SONDHI, "An Introduction to the Application of the Theory of Probabilistic Functions of a Markov Process to Automatic Speech Recognition," Copyright 1983 American Telephone and Telegraph company, The Bell system Technical Journal, Vol. 62, No. 4, April 1983, pp. 1035-1074.
	DENNIS YOW, et al., Analysis and Presentation of Soccer Highlights from Digital Video, To appear in the Proceedings, Second Asian Conference on Computer Vision (ACCV '95).
	DREW D. SAUR, et al. "Automated Analysis and Annotation of Basketball Video," SPIE Vol. 3022, pp. 179-187, 1997.
	HAO PAN, et al., "Automatic Detection of Replay Segments in Broadcast Sports Programs by Detection of Logos in Scene Transitions," 2002 IBEE, pp. IV-3385 – IV-3388.
	YIHONG GONG, et al., "Automatic Parsing of TV soccer Programs," 1995 IEEE, pp. 167 – 174.
	JONATHAN D. COURTNEY, "Automatic Video Indexing via Object Motion Analysis," Pattern Recognition, Vol. 30, No. 4, pp. 607-625, 1997.
	YONG RUI, et al. "Automatically Extracting Highlights for TV Baseball Programs," ACM Multimedia 2000 Los Angeles, CA, USA, pp. 105-115.
	NUNO VASCONCELOS AND ANDREW LIPPMAN, "Bayesian Modeling of Video Editing and Structure: Semantic Features for Video Summarization and Browsing," 1998 IEEE, pp. 153 – 157.
	PADHRAIC SMYTH, "Belief Networks, Hidden Markov Models, and Markov Random Fields: a Unifying View," To appear in Pattern Recognition Letters, 1998, Information and Computer Science Department, University of California, Irvine, CA 92697-3425, March 20, 1998.
	FRANCIS C. LI et al., "Browsing Digital Video," CHI 2000 April 1-6, 2000, CHI Letters volume 2 issue 1, pp. 169- 176.
	T. LAMBROU, et al., "Classification of Audio Signals Using Statistical Features on Time and Wavelet Transform Domains," 1998 IEEE, pp. 3621 – 3624.
	JOSHUA ALSPECTOR,et al., "Comparing Feature-based and Clique-based User Models for Movie Selection," Digital Libraries 98, Pittsburgh, PA, Copyright ACM 1998, pp. 11 – 18.
	RAINER LIENHART, "Comparison of Automatic Shot Boundary Detection Algorithms," Part of the IS&T/SPIE conference on Storage and Retrieval for Image and Video Databases VII, San Jose, CA, January 1999, SPIE Vol. 3656, pp. 290 – 301.
	JOHN CANNY, "A Computational Approach to Edge Detection," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-8, No. 6, November 1986, IEEE 1986, pp. 679 – 698.
	RICHARD QIAN et al., "A Computational Approach to Semantic Event Detection," 1999 IEEE, pp. 200 – 206.
	F. ARMAN, et al., "Content-based Browsing of Video Sequences," to appear in the Proceedings of ACM International Conference on Multimedia 34, October 15-20, San Francisco, CA, 7 pages.
	HONGJIANG ZHANG, et al. "Content Based Video Browsing Tools," SPIE Vol. 2417, 1995, pp. 389 – 398.
	STEPHEN W. SMOLIAR, et al. *Content-Based Video Indexing and Retrieval,* 1994 IEEE, pp. 62 – 72.
	STEFAN EICKELER, et al., Content-based Video Indexing of TV Broadcast News Using Hidden Markov Models," Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing, Phoenix, AZ, 1999, 4 pages.
	KATHY BOHRER and BOBBY HOLLAND, editors, "Customer Profile Exchange CPExchange) Specification," October 20, 2000, Version 1.0, International digital Enterprise Alliance, Inc. (IDEAlliance), pp. 1 – 127.
	JANE HUNTER (DSTC Pty Ltd.), Editor, "DDL Working Draft 3.0," ISO/IEC JTC1/SC29/WG11 N3391, MPEG 00/ May 2000 (Geneya), 23 pages.
	VIKRANT KOBLA, et al. *Detection of Slow-Motion Replay Sequences for Identifying Sports Videos,* Laboratory for Language and Media Processing, University of Maryland, College Park, MD 20742 3275, USA, 6 pages.
	ZHU LIU and QIAN HUANG, *Detecting News Reporting Using Audio/Visual Information, 1999 IEEE, pp. 324 – 328.
	Y KAWAI, *Detection of Replay Scenes in Broadcasted Sports Video by focusing on digital Video Effects,* IEICE (D-II), Vol. J84-D-II, No. 2, pp. 432-435, February 2001, (In Japanese), pp. 432 – 437.

VKRANT KOBLA, et al., "Detection of Slow-Motion Replay Sequences for Identifying Sports Videos," Laboratory for Language and Media Processing, University of Maryland, College Park, MD 20742-3275, USA pp. 135-140.

6 0 8

107	V
	H. PAN, et al. "Detection of Slow-Motion Replay Segments in sports Video for Highlights Generation,"  Proceedings of IEEE International Conference on Acoustics, Speech, and signal Processing, Salt Lake City, UT, 2001, 4 pages.
	ALAN E BELL, "The dynamic digital disk," IEEE Spectrum, October 1999, pp. 28-35.
	BAOXIN LI and M. IBRAHIM SEZAN, "Event Detection and Summarization in Sports Video," Sharp Laboratories of America, 5750 NW Pacific Rim Blvd., Camas, WA 98607, USA, 5 pages.
	MINERVA YEUNG, "Extracting Story Units from Long Programs for Video Browsing and Navigation," Proceedings of MULTIMEDIA 1996, 1996 IEEE, pp. 296 – 304.
	BOON-LOCK YEO et al., "On the Extraction of DC Sequence from MPEG Compressed Video," 1995 IEEE, pp. 260 – 263.
	FAP Specifications, MPEG-4 Compliant Facial Animation. http://www.dsp.dist.unige.it/~pok/RESEARCH/MPEG/fapspec.htm, 4 pages.
	FRANK R. KSCHISCHANG, et al., "Factor Graphs and the Sum-Product Algorithm," EEE Transactions on Information Theory, vol. 47 No. 2, February 2001, pp. 498 – 519.
	JOHN S. BORECZKY, et al. A Hidden Markov Model Framework for Video Segmentation Using Audio and Image Features, Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing, Seattle, WA, 1998, 4 pages.
	WAYNE WOLF, "Hidden Markov Model Parsing of Video Programs," Proceedings of the 1997 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP '97), pp. 2609-2611.
	BILGE GUNSEL, et al., "Hierarchical Temporal video Segmentation and content Characterization," Dept. of Electrical Engineering and Center for Electronic Imaging Systems, University of Rochester, Rochester, NY 14627, SPIE Vol. 3229, 1997.
	M. R. NAPHADE, et al. "A High-Performance Shot Boundary Detection Algorithm Using Multiple Cues," Proceedings of IEEE International Conference on Image Processing, Chicago, IL, 1998, pp. 884 – 887.
	JOSH BERNOFF, "How Cable TV Can Beat Satellite," WholeView TechStrategy Rsearch, April 2002 Forrester Research, Inc., 400 Technology Square, Cambridge, MA 02179 USA
	VIKRANT KOBLA, et al., "Identifying sports videos using replay, text, and camera motion features," Laboratory for Language and Media Processing, University of Maryland, College Park, MD 20742-3275, USA, Date Unknown.
	B. B. CHAUDHURI, et al., "Improved fractal geometry based texture segmentation technique," IEE Proceedings-E, Vol. 140, No. 5, September 1993, pp. 233 – 241
·	TOSHIO KAWASHIMA, et al., "Indexing of Baseball Telecast for Content-based Video Retrieval," Dept. of Information engineering, Hokkaido University, Kita 13, Nishi-8, Sapporo, 060-8628, Japan, 1998 IEEE, pp. 871 – 874.
	NATHANIEL J. THURSTON, et al. "Intelligent Audience guidance: The New Paradigm in Television Navigation," Predictive Networks, Inc., February 21, 2002, 9 pages
	DULCE PONCELEON, et al. "Key to Effective Video Recieval: Effective Cataloging and Browsing," ACM Multimedia '98, Bristol, UK, 1998, pp. 99 107.
	HENRY LIEBERMAN, et al. "Let's Broyse: A collaborative Web Browsing Agent," Massachusetts Institute of Technology, 20 Ames Street #E15-305, Cambridge, MA 02139, USA, Copyright ACM 1999, pp. 65 68.
	NOBORU BABAGUCHI, et al., "Linking Live and Replay Scenes in Broadcasted Sports Video," ACM Multimedia Workshop, Marina Del Rey, CA, USA, Copyright ACM 2000, pp.\205 – 208.
	GIRIDHARAN IYENGAR, et al., "Models for automatic classification of video sequences," SPIE Vol. 3312, 1997, pp. 216 – 227.
	NEVENKA DIMITROVA, et al., "Motion Recovery for Video Content Classification," ACM Transactions on Information Systems, Vol. 13, No. 4, October 1995, pp. 408-439.
	PETER VAN BEEK, et al, Editors, "MPEG-7 Multimedia Description Schemes WD (Version 3.0)," ISO/IEC JTC 1/SC 29/WG 11/N34/1, May 2000, Geneva.
	PETER VAN BEEK, et al., Editors, "MPEG-7 Multimedia Description Schames XM (Version 3.0)," ISO/IEC JTC 1/SC29/WG 11/n/3410, May 2000, Geneva.
	SYLVIE JEANNIN, et al., Editors, "MPEG-7 Visual part of eXperimentation Model Version 6.0," ISO/IEC JTC1/SC29/VG11/N3398, Geneva, June 2000.
	KAUSHAU KURAPATI, et al., "A Multi-Agent TV Recommender," Adaptive Systems Department, Philips Research Briarcliff, 345 Scarborough Rd., Briarcliff Manor, NY 10510, USA, Date Unknown.
	JANE HUNTER (DSTC Pty Ltd.), "Text of ISO/IEC CD 15938-2 Information technology Multimedia content description interface – Parl 2 Description definition language," ISO/IEC JTC1/SC29/WG 1 N3702, MPEG 00/3/102, October 2000 (La Baule).
	*Information Technology - Multimedia Content Description Interface - Part 5: Multimedia Description Schemes,* ISO/IEC JTC 1/SC 29 N 3705, November 17, 2000, ISO/IEC CD 15938-5.



2007		
2007	PETER VAN BEEK, et al., "Text of 15938-5 FCD Information Technology – Multimedia Content Description Interface – Part 5 Multimedia Description Schemes," ISO/IEC JTC 1/SC 29 N3966 March 12, 2001, 500 pages.	
	YAO WANG, et al., "Multimedia Content Analysis," IEEE Signal Processing Magazine, November 2000, pp. 12-35.	
	MARK T. MAYBURY, at al., "Multimedia Summarles of Broadcast News," Advanced Information Systems Center, The MITRE Corporation, 202 Burlington Road, Bedford, MA 01730, USA, pp. 442 – 449.	
	SHINICHI SATOH, et al., "Name-It: Association of Face and Name in Video," School of Computer Science, Camegie Mellon University, Pittsburgh, PA 15213, December 20, 1996, 19 pages.	
	STUART J. GOLIN, "New netric to detect wipes and other gradual transitions in" Part of the IS&T/SPIE Conference on Visual communications and Image Processing '99, San Jose, CA January 1999, SPIE Vol. 3653, pp. 1464 – 1474.	
	ULLAS GARGI, et al., "Transactions Letters: Performance Characterization of Video-Shot-Change Detection Methods," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 10, No. 1, February 2000, 13 pages.	
	MICHAEL EHRMANTRAUT, et al., "The Personal Electronic Program guide – Towards the Pre-selection of Individual TV Programs," 1996 ACM, pp. 243 – 250.	
	MARC LIGHT, et al., *Personalized Multimedia Information Access,* Communications of the ACM, Vol. 45, No. 5, May 2002, pp. 54 – 59.	
	KYOUNGRO YOON, et al., "Proposal of Usage History DS," ISO/IEC JTC1/SC29/WG11, MPEG00/M6259, July 2000, Beijing.	
	MICHAEL T. CHAN, et al., "Real-Time up Tracking and Bimodal Continuous Speech Recognition," Rockwell Science Center, 1049 Camino Dos Rios, Thousand Oaks CA 91360, 6 pages, date unknown.	
	BOON-LOCK YEO, et al., "Retrieving and Visualizing Video," Communications of the ACM, December 1997, Vol. 40, No. 12, pp. 43 – 52.	
	H.B. LU, et al., "Robust Gradual Scene Change Detection," Proceedings of IEEE International Conference on Image Processing, Kobe, Japan, 1999, 5 pages.	
	RICHARD J. QIAN et al., "A Robust Real-time Face Tracking Algorithm," sharp Laboratories of America, 5750 N.W. Pacific Rim Blvd., Camas, WA 98607, 1998 IEEE, pp. 131-135.	•
	LEXING LIE, "Segmentation and Event Detection in Soccer Audio," EE 6820 Project, Soccer Audio, May 15, 2001, 9 pages.	
	RICCARDO LEONARDI, et al., "Content-Based Multimedia Indexing and Retrieval: Semantic Indexing of Multimedia Documents," IEEE 2002, pp. 44 – 51.	
	R. W. PICARD, "A Society of Models for Video and Image Libraries," IBM Systems Journal, Vol. 35, Nos. 3 & 4, 1996, pp. 292 – 312.	
	ALBERTO DEL BIMBO et al., "A Spatial Logic for Symbolic Description of Image Contents," Journal of Visual Languages and Computing (1994) 5, pp. 267-286.	
	JIN-SOO LEE, et al. Editors, "Specification of The UsageHistory DS," ISO/IEC JTC 1/SC 29/WG 11/M5748, March 2000, Noordwijkerhout, pp. 1-6.	
	LEXING XIE, et al., "Structure Analysis of Soccer Video with Histon Markov Models," Department of Electrical Engineering Columbia University, New York, NY, 4 pages.	
	SELIM AKSOY, et al., "Textural Features for Image Database Religieval," Intelligent Systems Laboratory, Department of Electrical Engineering, University of Washington, Seattle, WA 98195-2500, 5 pages.	
	B. S. MANJUNATH, et al., "Texture Features for Browsing and Retrieval of Image Data," IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 18, No. 8, August 1995, pp. 837 – 842.	
	RICHARD W. CONNERS, et al., "A Theoretical comparison of Texture Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence, vol., PAMI-2, No. 3, May 1980, pp. 204 – 222.	
	NOBORU BABAGUCHI, Towards Abstracting Sports Video by Highlights, ISIR, Osaka University, Ibaraki, Osaka 567-0047, Japan, 2000 IEEE, pp. 1519 – 1522.	
	STEPHEN S. INTILLE, "Tracking Using a Local Closed-World Assumption: Tracking in the Football Domain," MIT Media Lab Perceptual computing group Technical Report No. 296, pp. 1-62	
	LAWRENCE R. RABINER, *A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition,* Proceedings of the IEEE, Vol. 77, No. 2, February 1989, pp. 257 – 286.	
	JIM STROUD, "TV Personalization: A Key Component of Interactive TV," The Carmel Group, 2001, 9 pages.	
	RICHARD O. DUDA et al, "Use of the Hough Transformation To Detect Lines and Curbes in Pictures,"  Communications of the ACM, January 1972, Volume 15, Number 1, pp. 11-15.	

2007	
A	RAINER LIENHART, et al., "Video Abstracting," Communications of the ACM, December 1997/ Vol. 40, No. 12, pp. 55 – 62.
	SHINGO UCHHASHI, et al., "Video Manga: Generating Semantically Meaningful Video Summaries," PX Palo Alto Laboratory, 3408 Hillview Avenue, Palo Alto, CA 94304, USA, pp. 383 – 392.
	MICHAEL A. SMITH, et al., "Video Skimming for Quick Browsing based on Audio and Image Characterization," School of Computer Science, Carnegie Mellon University, Pittsburgh, PA 15213, July 30, 1995, 24 pages.
	DANIEL DEMENTHON, e. al., "Video summarization by Curve Simplification," Language and Media Processing (LAMP), University of Maryland, College Park, MD 20742-3275, 1998 ACM, pp. 217 – 218.
	CHUNG-LIN HUANG, et al., "Video summarization using Hidden Markov Model," Electrical Engineering Department, National Tsing-Hua University, Hsin-Chu, Taiwan, ROC, 2001/IEEE, pp. 473 – 477.
	KEN MASUMITSU, et al., "Video Summarization Using Reinforcement Learning in Eigenspace," IBM Research, Tokyo Research Laboratory, 1623-14, Shimotsuruma, Yamato-shi, Kanagawa, Japan, 4 pages.
	YIHONG GONG, et al., "Video Summarization Using Singular Value Decomposition," C&C Research laboratories, NEc USA, Inc. 110 Rio Robles, San Jose, CA 95134, USA, 2000 IEEE, 7 pages.
	YIHONG GONG, et al., "Video Summarization with Minimal Visual Content Redundancies," C&C Research Laboratories, NEC USA, Inc., 110 Rio robles, San Jose, CA 95134, USA, 2001 IEEE, pp. 362 – 365.
	MINERVA M. YEUNG, et al., "Video visualization for Compact Presentation and Fast Browsing of Pictorial Content," IEEE Transactions on circuits and Systems for Video Technology, vol. 7, No. 5, October 1997, pp. 771 – 785.
	STEPHEN S. INTILLE, et al., Visual Tracking Using closed-Worlds, MIT Media Laboratory Perceptual computing Section Technical Report No. 294, November 1994, pp. 1 18.
	LESZEK CIEPLINSKI, et al. "Visual Working Draft 3.0," ISO/IEC JTC1/SC29/WG11/N3399, June 2000 (Geneva), 92 pages.
	SUNGHOON CHOI, et al., Where are the ball and players?: Soccer Game Analysis with Color-based Tracking and Image Mosaick, Dept. of EE, Pohang University of Science and Technology, San 31 Hyoja Dong, Pohang, 790-784, Republic of Korea, pp. 1-15.
	http://web.archive.org/web/20001017172449/http://www.pvi-inc.com/
	PAUL V. BIRCH, et al., editors, "SML Schema Part 2: Datatypes, World Wide Web Consortium Working Draft," May 6, 1899, http://www.w3.org/1999/05/06-xmlschema-2/, 37 pages.

Signature Considered 1/26/07	Examiner Signature	ling ad	Date Considered	11/26/07
------------------------------	-----------------------	---------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents. P.O. Box 1450, Alexandria, VA 22313-1450. FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

tute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

Complete if Known			
Application Number	09/544,808		
Filing Date	April 7, 2000		
First Named Inventor	Sezan		
Art Unit	2623		
Examiner Name	C. Lambrecht		
Attorney Docket Number	7146.0066		

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pagas, Columns, Lines, Where Relevant	
		Number - Kind Code <sup>2</sup> (if known)			Passages or Relevant Figures Appear	
		US-5,610,653	03-11-1997	Abecassis		
		US- 5,758,2 <del>57</del>	05-26-1998	Herz et al.		
		US- 5,835,087	11-10-1998	Herz et al.		
		US-				
		US-				
		US-				

		FOREIGN P	ATENT DOCUM	ENTS		
Examiner Initials*	I	Foreign Patent Document	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т <sup>6</sup>
	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD- YYYY			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
		Partial European Search Report of European Patent Application No. 00124464.9 based on US Patent Application No. 09/544,808 in the name of Sharp Kabushiki Kaisha dated April 5, 2007, Nagisa Patent Office, 9 <sup>th</sup> Floor Salute Bldg., 72 Yoshida-cho, Naka-ku, Yokohama 231-0041, Japan-14-pages.	
		*	

Examiner Signature	Shings C. Sz.	Date Considered	11/26/07

<sup>\*</sup>EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.